

**ABSTRACT**

**[0035]** Electrical connector apparatus is provided having a cap and a plug which can be mated together, each of the cap and plug having a respective terminal position assurance device associated therewith, wherein each of the cap, plug and terminal position assurance devices has a box-like configuration, such that when assembled, the connector has a box-in-box-in-box-in-box construction which assures that mechanical and electrical connections will be maintained in high vibration environments.